

CLAIM AMENDMENTS

Claims 1 –21 (Canceled)

22. (Currently Amended) A set of isolated nucleic acid molecules comprising at least five isolated nucleic acid molecules selected from the group consisting of SEQ ID NO: 6, SEQ ID NO: 7, SEQ ID NO: 8, SEQ ID NO: 9 and SEQ ID NO: 10 and the complementary sequences thereof, ~~of SEQ ID NO: 6, SEQ ID NO: 7, SEQ ID NO: 8, SEQ ID NO: 9 and SEQ ID NO: 10,~~ wherein the set is used in nucleic acid hybridization or amplification to detect all representatives of *Salmonella enterica* subsp. *enterica*, *salamae*, *arizonae*, *diarizonae*, *houtenae*, *bongori* and *indica*.

23-28 (Canceled)

29. (Currently Amended) The set of isolated nucleic acid molecules of claim 22, wherein the set further comprises one or more isolated nucleic acid molecules at least 10 contiguous nucleotides of a sequence with a length from 10 to 250 nucleotides comprising at least 10 contiguous nucleotides of a ~~from one or more of the isolated nucleic acid molecule(s) molecules~~ selected from the group consisting of SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3, SEQ ID NO: 4 and SEQ ID NO: 5 and the complementary sequences thereof ~~sequence of SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3, SEQ ID NO: 4 and SEQ ID NO: 5.~~

30. (Previously Presented) The set of isolated nucleic acid molecules of claim 22, wherein at least one isolated nucleic acid molecule is modified or labeled with a group selected of the group

consisting of a radioactive group, a colored group, a fluorescent group, a group for immobilization on a solid phase and a group allowing an indirect or direct enzyme reaction.

31. (Previously Presented) The set of isolated nucleic acid molecules of claim 29, wherein at least one isolated nucleic acid molecule is modified or labeled with a group selected of the group consisting of a radioactive group, a colored group, a fluorescent group, a group for immobilization on a solid phase and a group allowing an indirect or direct enzyme reaction.

32. (Currently Amended) The set of isolated nucleic acid molecules of claim 3022, wherein the group allowing an enzyme reaction is selected from the group consisting of antibodies, antigens, enzymes, substances having an affinity for enzymes and substances having an affinity for enzyme complexes.

33. (Currently Amended) The set of isolated nucleic acid molecules of claim 3129, wherein the group allowing an enzyme reaction is selected from the group consisting of antibodies, antigens, enzymes, substances having an affinity for enzymes and substances having an affinity for enzyme complexes.